



AMALGAMATED WIRELESS VALVE CO. PTY. LTD.

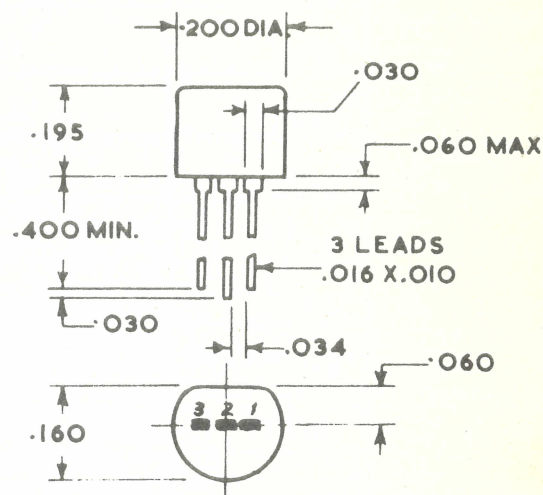
note Same Pellet as  
AS204

AS310

AS312

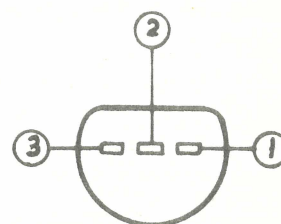
These units are n-p-n silicon planar epitaxial transistors in an epoxy package for A.F. and general purpose applications. The AS310 features low saturation voltage (less than 0.3 volt at  $I_C = 300$  mA).

#### DIMENSIONAL OUTLINE



Dimensions in Inches

#### TERMINAL DIAGRAM



Lead 1-Emitter  
Lead 2-Base  
Lead 3-Collector

#### ABSOLUTE MAXIMUM RATINGS.

Collector-base voltage	= 40 volts
Collector-emitter voltage	= 40 volts
(Base open)	
Emitter-base voltage	= 5 volts
Emitter current	= 350 mA
Base current	= 30 mA

#### THERMAL RATINGS.

Dissipation at case temperature up to 25°C ----- 700 mW max.

Derate linearly to zero at 135°C.

Dissipation in ambient temperatures up to 25°C ----- 300 mW max.

Derate linearly to zero at 135°C.

During soldering lead temperature must not exceed 255°C for  
10 secs. max. within 1/16" of case.

Storage temperature range - 25°C to 135°C.

## AS312

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